

## INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY Poland

REPORT

SUBJECT Boruta Industrial Dye Works in Zgierz / List of products, planned expansion, manpower

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A report containing fragmentary information on the Boruta Industrial Dye Works in Zgierz, Poland

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COUNTRY : Poland DATE: November 27, 1957  
 SUBJECT : The "Boruta" Industrial Dye Plants  
 in Zgierz NO. OF PAGES: 3

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Organization

1. The "Boruta" Industrial Dye Plants (Zaklady Przemyslu Barwnikow-ZPB "Boruta") in Zgierz (N 51-51, E 19-25) was the largest dye enterprise in Poland. It produced dyes mainly for the textile industry and was subordinate to the Central Administration of Organic Industry "Erg". 1

2. [redacted] the organization of "Boruta" was similar to other chemical plants subordinate to CZPO-Erg. Dipl. Engineer Wladyslaw Lisiecki was chief director and Dipl. Engineer Gierlicz (fmu) was first engineer of the enterprise, which employed about 2,400 workers working on three shifts.

"Boruta" had well-qualified technical personnel and an adequate number of skilled workers. Located near the "Boruta" Plant was a branch of the Institute of Dye Stuffs and Semi-Finished Products, and also a branch office of the Projects Bureau of the "Erg" industry. Both of these installations worked mainly for "Boruta". Also connected in some way with "Boruta" was a chemical school (technikum chemiczne). [redacted] the course of this school lasted four years and the students received practical training at "Boruta".

Installations and Equipment

3. [redacted] the installations and equipment of "Boruta" were in poor condition and partially obsolete, but by Polish standards they were considered average and were constantly being pushed to the limits of production capacity. The plant had its own electric power plant and two boiler houses, one of which had been constructed during 1955-56. It also had its own loading and unloading facilities and a siding connected to the Zgierz Railroad Station.

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-2-Investments**CONFIDENTIAL**4. [redacted] the following investments were planned for "Boruta":

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- a. The expansion of the department producing vat dye stuffs during 1957-58.
- b. Introduction of a new assortment of dye stuffs.
- c. Construction of a large research dye laboratory.

Products5. The following is a list of the main assortment of dyes and semi-finished products produced by "Boruta"; [redacted]

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- a. Monoazo, Diazo, Triazo, Triazo, Tetrazo Dyes.
- b. Sulfide "Sulfur" Dyes.
- c. Vat Dyes.
- d. Triphenylmethane Dyes.
- e. Nigrosine
- f. "H" Acid (1 amino - 8 naphthol - 3:6 disulfonic acid)
- g. "J" Acid (2 - amino - 5 naphthol - 7 sulfonic acid)
- h. Laurent's acid (1 - naphthyl-amine - 5 sulfonic acid)  
( $C_{10}H_9NO_3S$ )
- i. Sulfanilic Acid ( $C_6H_4NH_2SO_3H$ )
- j. Salicylic Acid ( $C_6H_4OH)(COOH$ ) - (Hydroxybenzoic acid)
- k. 1, 2, 4, Acid (1 - amino-2-naphthol-4 sulfonic acid)  
( $C_{10}H_5NH_2OHSO_3H$ )
- l. Hydroxynaphthoic Acid, Beta. ( $C_{10}H_6OH.COOH$ )
- m. Beta-Naphthol ( $C_{10}H_7OH$ )
- n. Alpha-naphthol ( $C_{10}H_7OH$ )
- o. Benzidine
- p. Aniline Oil
- q. Dimethylaniline
- r. Diethylaniline ( $C_6H_5N(C_2H_5)_2$ )
- s. Anthroquinone ( $C_6H_4(CO)_2C_6H_4$ )

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- t. R Salt - The Disodium salt of 2-naphthol - 3:6 disulfonic acid
- u. G-Salt - The Sodium salt of 2-naphthol 6:8 - disulfonic acid (G-acid)
- v. Schaeffer's Salt. Sodium salt of 2-naphthol - 6-sulfonic acid
- w. Hydrochloric Acid
- x. Hydrosulfite
- y. "Hydrosulfite A.W.C." (Commercial name:"Rongalit")
- z. Chlorosulfonic acid.

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